

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: M. Shimada et al. : Art Unit:
Serial No.: To be Assigned : Examiner:
Filed: Herewith :
FOR: OPTICAL ELEMENT AND :
METHOD OF FABRICATION THEREOF :

21A
10/25/01
M. Fralges

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

SIR:

Please amend the above-identified application as follows:

SPECIFICATION:

Specification at page 4, line 13:

One aspect of the present invention is an optical element comprising: a substrate having or not having a channel for optical waveguide; and a material which has a refractive index higher than that of said substrate and is filled in said channel for optical waveguide or is disposed on said substrate; wherein

Specification at page 4, line 23:

Another aspect of the present invention is an optical element, the refractive index in a part of said material varies substantially periodically